CONTENTS

Volume 3, Number 1 **March 1985**

A. LINDH & C.-H. WAHLGREN: Migmatite formation at subsolidus conditions—an alternative to anatexis 1

J. N. BOLAND & M. T. OTTEN: Symplectitic augite: evidence for discontinuous precipitation as an exsolution mechanism in Ca-rich clinopyroxene 13

B. C. STOREY & A. W. MENEILLY: Petrogenesis of metamorphic rocks within a subduction-accretion terrane, Signy Island, South Orkney Islands 21

J. PAQUET: Petrology and geothermometry of retrograded Hercynian charnockites and host gneisses, Agly Massif, French Pyrenees 43

T. H. BELL & R. N. BROTHERS: Development of P-T prograde and P-retrograde, T-prograde isogradic surfaces during blueschist to eclogite regional deformation/metamorphism in New Caledonia, as indicated by progressively developed porphyroblast microstructures 59

P. A. STUDEMEISTER: The greenschist metamorphism of Archaean synvolcanic stocks near Wawa, Ontario, Canada 79

C. TRIBOULET & C. AUDREN: Continuous reactions between biotite, garnet, staurolite, kyanite-sillimanite-andalusite and P-T-time-deformation path in micaschists from the estuary of the river Vilaine, South Brittany, France 91

Forthcoming papers 107

Volume 3 Number 2 **June 1985**

T. H. BELL: Deformation partitioning and porphyroblast rotation in metamorphic rocks: a radical reinterpretation 109

T. F. EMMETT: The trace element geochemistry of some high-grade Bergen-Jotun kindred gneisses from the Jotun Nappe around Gjendebu, central southern Norway 119

J. W. VALLEY, D. R. PEACOR, J. R. BOWMAN, E. J. ESSENE & M. J. ALLARD: Crystal chemistry of a Mg-vesuvianite and implications of phase equilibria in the system $CaO–MgO–Al_2O_3–SiO_2–H_2O–CO_2$ 137

M. SANDIFORD: The metamorphic evolution of granulites at Fyfe Hills; implications for Archaean crustal thickness in Enderby Land, Antarctica 155

S. L. HARLEY: Paragenetic and mineral–chemical relationships in orthoamphibole-bearing gneisses from Enderby Land, east Antarctica: a record of Proterozoic uplift 179

Announcement 201

Forthcoming papers 203

Volume 3 Number 3 **September 1985**

Editorial 205

J. R. ASHWORTH & M. M. EVIRGEN: Plagioclase relations in pelites, central Menderes Massif, Turkey. 1. The peristerite gap with coexisting kyanite 207

J. R. ASHWORTH & M. M. EVIRGEN: Plagioclase relations in pelites, central Menderes Massif, Turkey. 2. Perturbation of garnet-plagioclase geobarometers 219

R. POWELL: Regression diagnostics and robust regression in geothermometer/geobarometer calibration: the garnet-clinopyroxene geothermometer revisited 231

M. B. E. MØRK: Incomplete high *P–T* metamorphic transitions within the Kvamsøy pyroxenite complex, west Norway: a case study of disequilibrium 245

L. L. PERCHUK, L. Ya. ARANOVICH, K. K. PODLESSKII, I. V. LAVRANT'EVA, V. YU. GERASIMOV, V. V. FED'KIN, V. I. KITSUL, L. P. KARSAKOV & N. V. BERDNIKOV: Precambrian granulites of the Aldan shield, eastern Siberia, USSR 265

L. N. GUPTA & W. JOHANNES: Effect of metamorphism and partial melting of host rocks on zircons 311

Forthcoming papers 325

Volume 3 Number 4 **December 1985**

R. POWELL & T. J. B. HOLLAND: An internally consistent thermodynamic dataset with uncertainties and correlations: 1. Methods and a worked example 327

T. J. B. HOLLAND & R. POWELL: An internally consistent thermodynamic dataset with uncertainties and correlations: 2. Data and results 343

G. T. R. DROOP: Alpine metamorphism in the south-east Tauern Window, Austria: 1. *P–T* variations in space and time 371

R. A. CLIFF, G. T. R. DROOP & D. C. REX: Alpine metamorphism in the south-east Tauern Window, Austria: 2. Rates of heating, cooling and uplift 403

T. J. B. HOLLAND & N. J. RAY: Glaucophane and pyroxene breakdown reactions in the Pennine units of the Eastern Alps 417

J. SELVERSTONE & F. S. SPEAR: Metamorphic *P–T* paths from pelitic schists and greenstones from the south-west Tauern Window, Eastern Alps 439

J. F. VON RAUMER & H. W. SCHWANDER: Garnet evolution in pre-Variscan pelitic rocks from the Lake Emosson area, Aiguilles Rouges Massif, Western Alps 467

R. G. WARREN & R. D. SHAW: Volcanogenic Cu–Pb–Zn bodies in granulites of the central Arunta Block, central Australia 481

List of Referees 501
Forthcoming papers 503